

Preface

The National Conference of Theoretical Computer Science (NCTCS) is the main academic activity in the area of theoretical computer science in China. To date, NCTCS has been successfully held 34 times in over 20 cities. It provides a platform for researchers in theoretical computer science or related areas to exchange ideas and start cooperations.

This volume contains the papers presented at NCTCS 2017: the 35th National Conference of Theoretical Computer Science held during October 14–15, 2017, in Wuhan, China. Sponsored by the China Computer Forum (CCF), NCTCS 2017 was hosted by the CCF Theoretical Computer Science Committee and School of Computer Science Technology at Huazhong University of Science (HUST).

NCTCS 2017 received 84 English submissions (including seven published papers accepted only for communication at the conference) in the area of algorithms and complexity, software theory and methods, data science and machine learning theory, web science base theory, parallel and distributed computing and computational models, etc. Each of the 77 submissions was reviewed by at least three Program Committee members. The committee decided to accept 25 papers that are included in these proceedings published Springer's *Communications in Computer and Information Science* (CCIS) series.

NCTCS 2017 invited well-reputed researchers in the field of theoretical computer science to give keynote speeches, carry out a wide range of academic activities, and introduce recent advanced research results. We had seven invited plenary speakers at NCTCS 2017: Wei Chen (Microsoft Research Asia), Jin-Kao Hao (University of Angers, France), Jian Li (Tsinghua University, China), Qing Li (City University of Hong Kong), Pinyan Lu (Shanghai University of Finance and Economics), Liwei Wang (Peking University), and Jianping Yin (National University of Defense Technology). We express our sincere thanks to them for their contributions to the conference and the proceedings.

We would like to thank the Program Committee members and external reviewers for their hard work in reviewing and selecting papers. We are also very grateful to all the editors at Springer and the local organization chairs for their hard work in the preparation of the conference.

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